

ABSTRACT OF THE DISCLOSURE

A device for adjusting gram force applied to a thread in knitting machines, comprising a control unit that is adapted to drive a power supply
5 device of a motor for unwinding a thread to be fed to the knitting machine, a gram force sensor adapted to detect the gram force applied to the thread and to emit a gram force signal, a comparator adapted to compare the gram force signal with a reference signal in order to obtain a gram force error signal; the control unit comprises elements adapted to emit a signal for driving the
10 power supply device of the motor according to the gram force error signal of the thread and to a signal that is the derivative with respect to time of the gram force signal emitted by the gram force sensor.